

WELCOME



OKLAHOMA
Transportation

Virtual Open House

SH-28 Improvements “**West of US-69**” Project
I-44 Interchange to Adair, Mayes County, OK
October 7 – 21, 2020

Welcome to the Oklahoma Department of Transportation’s virtual Open House for the State Highway 28 improvement project located in Mayes County.

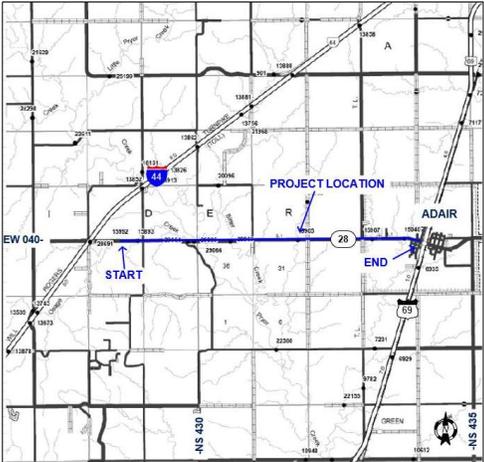
As part of our efforts to keep the public informed about transportation improvements, we developed this slide presentation. Normally, we would host an in-person Open House, but due to ongoing concerns about COVID-19, we opted to host a virtual Open House to protect public safety.

Please note that we have two virtual Open Houses occurring at the same time. This presentation covers the “West of US-69” roadway improvement project that starts just east of the I-44/SH-28 interchange and extends to just west of the US-69/SH-28 junction in Adair, OK. A second presentation covers the “East of US-69” roadway improvement project that starts near the US-69/SH-28 junction in Adair, OK and continues east to Langley, OK.

Please take a moment to review this presentation, and feel free to contact us with questions, concerns, and comments. If you would like to view the project in more detail, please visit the Interactive Map on the virtual Open House webpage.

Purpose of the Open House

To Inform the Public About the Proposed Improvements to this Segment of SH-28



- **Project Location & Extent:**
 - Starts just east of I-44/SH-28 interchange
 - Extends east towards Adair, OK
 - Ends just west of US-69/SH-28 Junction in Adair, OK
- **Objectives:**
 - Present the proposed design
 - Describe the potential environmental impacts
 - Obtain public input
 - Outline the next steps and the proposed project schedule

Project Location:

The project begins just east of the I-44/SH-28 interchange, and extends east approximately 5.5 miles towards the town of Adair. This project ends at William Penn Street just west of the US-69/SH-28 Junction. Review the county road map on this slide for a depiction of the general project location.

Purpose of the Virtual Open House:

The purpose of this virtual Open House is to provide an update on the proposed highway improvements. Specifically we wanted to:

- Present the proposed improvements;
- Describe the potential environmental impacts;
- Obtain public input; and
- Outline the next steps and the proposed project schedule.

Existing Roadway Conditions

- **SH-28 Roadway:**

- Two 12-foot wide paved driving lanes
- 4-foot wide shoulders
- Posted 65 mph speed limit
- Traffic volume:
 - 4,284 vehicles per day (2020)
 - 5,916 vehicles per day by 2040



- **SH-28 Bridges:**

- Nine total bridges within SH-28 project segment
- Five reinforced concrete box (RCB) bridges associated with this construction project



Existing Conditions:

This segment of SH-28 is a two-lane, open section highway with 12-foot wide driving lanes and 4-foot wide shoulders. It has a posted speed limit of 65 MPH. The current traffic volume is 4,284 vehicles per day and is projected to increase to 5,916 vehicles per day by 2040.

There are nine bridges within the project extent. Five bridges will be addressed as part of this project.



Purpose & Need for the Project

Improve Driver Safety, Mobility & Connectivity

- **Purpose: What are we trying to do?**

- Enhance safety throughout the SH-28 corridor
- Accommodate local & regional travel demands along the SH-28
- Upgrade SH-28 to meet current Federal Highway Administration & ODOT standards

- **Need: What we are trying to fix?**

- Poor Intersections, Drives & Entrances
 - Limited sight distances
 - Poor intersection alignments
- Safety Design Issues
 - Lack of turning lanes
 - Narrow shoulders
 - Deteriorating pavement



Project Purpose & Need:

The important questions associated with every transportation improvement project are:

1. What is ODOT trying to do? and
2. What is ODOT trying to fix?

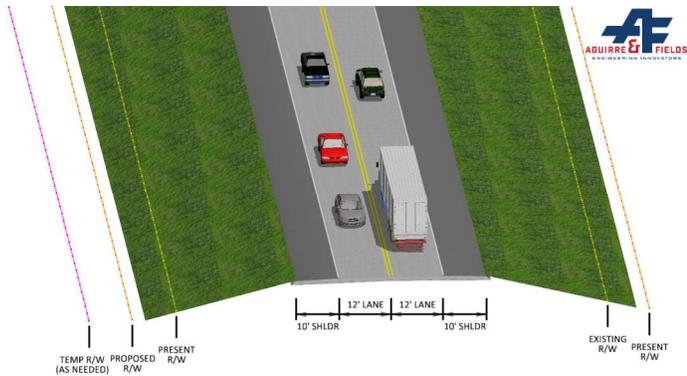
These questions make up the purpose and need statement which helps decision-makers justify the economic cost associated with construction and the environmental costs associated with impacts to the natural and human environments.

The volume of traffic along the SH-28 corridor will increase over the coming decades. Also, the safety of this segment needs to be improved. There are poor intersections, drives and entrances, which cause congestion and limited sight distances. There is a need for dedicated turning lanes at certain intersections. There is also a need to address narrow shoulders and deteriorating pavement. ODOT needs to address these issues in order to accommodate local and regional travel demands, update the infrastructure to meet federal standards, and most importantly, improve driver safety.

Proposed Improvements

- **SH-28 Rural Roadway:**
 - Widening the existing rural sections of the highway to create:
 - Two 12-foot wide driving lanes
 - 10-foot wide paved shoulders
 - 65 mph speed limit

TYPICAL RURAL ROADWAY CROSS SECTION



Proposed Improvements:

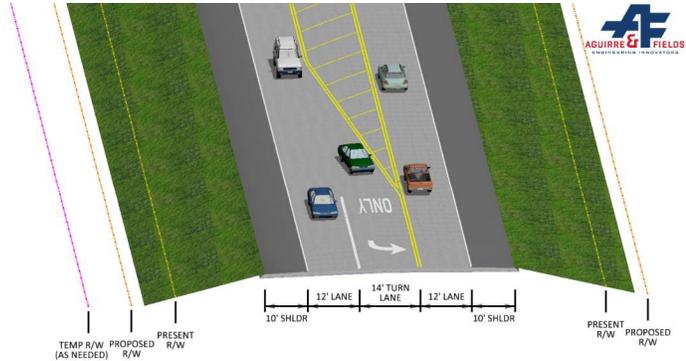
In order to increase safety, ODOT proposes to widen the rural segment of SH-28 to create two 12-foot wide driving lanes with 10-foot wide shoulders. A typical rural roadway cross section is depicted on this slide.

Proposed Improvements

- **SH-28 Roadway:**

- Eastbound and westbound left turning lanes will be added at County Road EW-429
 - Two 12-foot wide driving lanes
 - 14-foot dedicated turning lane
 - 10-foot wide paved shoulders

TYPICAL TURNING LANE CROSS SECTION



Proposed Improvements (continued):

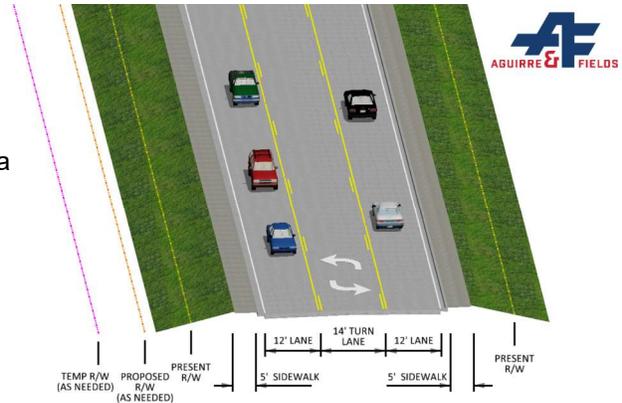
ODOT proposes to construct westbound left turning lanes at County Road EW-429. The road will consist of two 12-foot wide driving lanes, a 14-foot wide dedicated turning lane, and 10-foot wide paved shoulders.

Proposed Improvements

• SH-28 In-Town Roadway:

- In the town of Adair, the road will be improved to include:
 - Curb-and-gutter section
 - Two 12-foot wide driving lanes
 - 14-foot wide center turning lane
 - Addition of Americans with Disabilities Act (ADA) compliant sidewalks in downtown area
 - Speed limit varies through segment

TYPICAL CURB & GUTTER CROSS SECTION



Proposed Improvements (continued):

ODOT proposes to widen the segment of SH-28 in the town of Adair to create a curb and gutter section with two 12-foot wide driving lanes and a 14-foot wide center turning lane. Sidewalks will be constructed in the downtown area.

Driveways and entrances will be reconstructed perpendicular to the roadway.

Access to homes, business, and Adair Public Schools will be maintained during and after construction.

Proposed Improvements

- **SH-28 Bridge Improvements** – Five reinforced concrete box (RCBs) bridges will be extended or replaced:
 - Bridge A over Osage Creek
 - Extend RCB to create 44-foot wide clear roadway width RCB
 - Bridge B over unnamed tributary to Osage Creek
 - Extend RCB to create 48-foot wide clear roadway width RCB
 - Bridge C over unnamed tributary to Pryor Creek
 - Extend RCB to create 44-foot wide clear roadway width RCB
 - Bridge D over unnamed tributary to Pryor Creek
 - Extend RCB to create 44-foot wide clear roadway width RCB
 - Bridge E over unnamed tributary to Pryor Creek
 - Remove existing RCB & replace with 42-foot wide clear roadway width RCB



Proposed Improvements (continued):

Five bridges (Bridges A through E) will be extended or replaced. All of these will be extended to be between 42 and 48 feet wide to accommodate the new roadway section.

Proposed Improvements

Project Walk-Through

- Begin project east of the I-44/ SH-28 interchange
- Two lane open section highway east towards Adair, OK
- Skewed drives corrected to make perpendicular
- Extend Bridge A to create 44-ft wide clear roadway width RCB



Proposed Improvements – Project Walk-Through:

The following slides present the proposed improvements for important locations along the project length. Images of the engineering plans have been super-imposed on top of a recent aerial. The colors and lines presented on the slide are a representation of the proposed work or what the highway would look like once completed.

On each slide there is an inset legend box. The color and line types represent different aspects of the plans.

This specific slide shows the improvements at the beginning of the project located just east of the I-44/SH-28 intersection. ODOT proposes to construct a two-lane open section highway on the existing alignment. Bridge A over Osage Creek will be extended to create a 44-foot wide Reinforced Concrete Box bridge.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Extend Bridge B to create 48-ft wide clear roadway width RCB
- Skewed drives corrected to make perpendicular
- Add dedicated left hand turning lanes at County Road NS-429



Proposed Improvements – Project Walk-Through (continued):

The two-lane open section highway continues east towards Adair on the existing alignment.

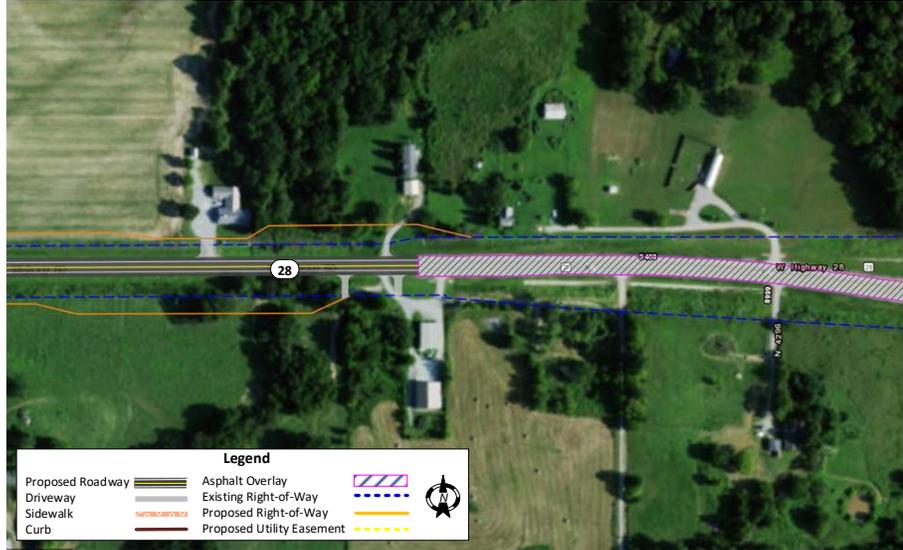
Bridge B over a tributary to Osage Creek will be extended to create a 48-foot wide Reinforced Concrete Box bridge.

The intersection with County Road NS-429 will be modified and improved with a dedicated left turn lane in both directions.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Skewed drives corrected to make perpendicular



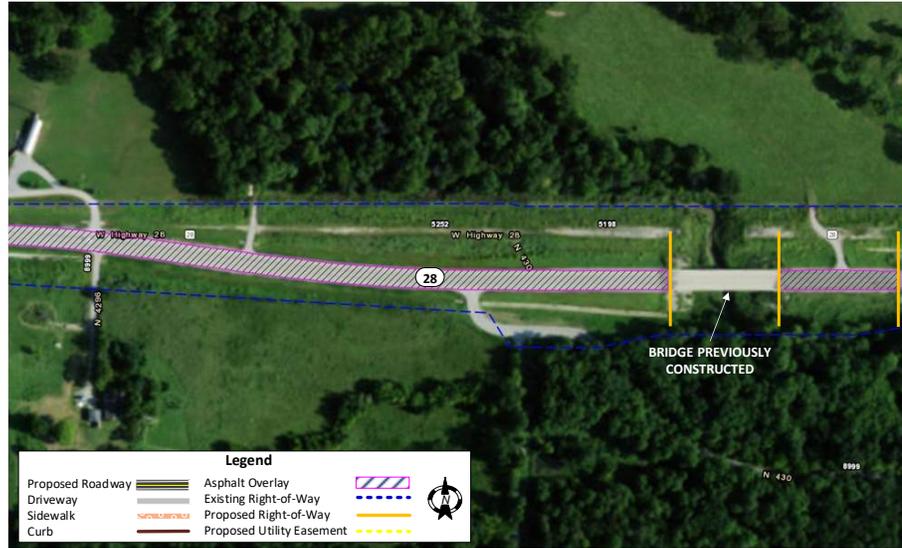
Proposed Improvements – Project Walk-Through (continued):

As shown on this slide, the two lane open section highway continues east towards Adair. The sections shown as asphalt overlay mean that a new surface will be applied to the roadway. These sections will be striped to a two-lane open section roadway.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Existing bridge already improved as part of previous ODOT project



Proposed Improvements – Project Walk-Through (continued):

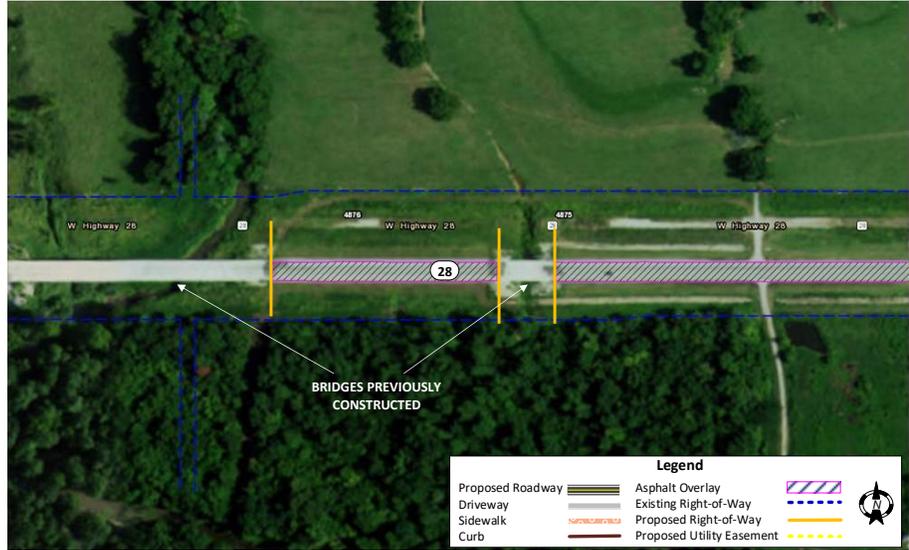
The two lane open section highway continues east towards Adair. The asphalt overlay segment depicted on this slide will be striped to a two-lane open section roadway.

There is a break in the subject improvements located at a previously constructed bridge project—no work will be done on the bridge.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Existing bridges already improved as part of previous ODOT project



Proposed Improvements – Project Walk-Through (continued):

The two lane open section highway continues east towards Adair. The asphalt overlay segment depicted on this slide will be striped to a two-lane open section roadway.

There is a break in the subject improvements located at two previously constructed bridge projects—no work will be done on these bridges.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Existing bridge already improved as part of previous ODOT project



Proposed Improvements – Project Walk-Through (continued):

The two lane open section highway continues east towards Adair. The asphalt overlay segment depicted on this slide will be striped to a two-lane open section roadway.

There is a break in the subject improvements located at a previously constructed bridge project—no work will be done on the bridge.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Improve intersection with County Road NS-431



Proposed Improvements – Project Walk-Through (continued):

The two lane open section highway continues east towards Adair. The asphalt overlay segment depicted on this slide will be striped to a two-lane open section roadway.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Skewed drives corrected to make perpendicular



Proposed Improvements – Project Walk-Through (continued):
The two lane open section highway continues east towards Adair.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Skewed drives corrected to make perpendicular
- Extend Bridge C to create 44-ft wide clear roadway width RCB



Proposed Improvements – Project Walk-Through (continued):

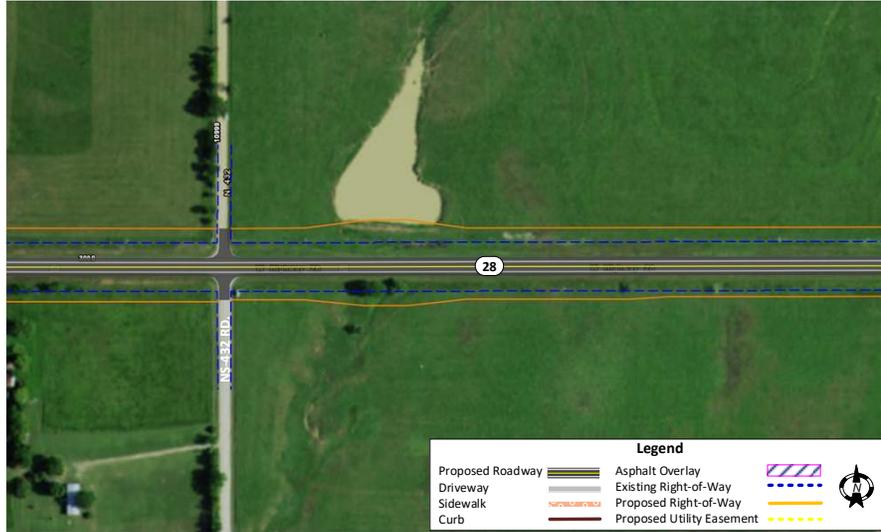
The two lane open section highway continues east towards Adair.

Bridge C over Osage Creek will be extended to create a 44-foot wide reinforced concrete box bridge.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Improve intersection with County Road NS-432



Proposed Improvements – Project Walk-Through (continued):

The two lane open section highway continues east towards Adair.

The intersection with County Road NS-432 will be improved.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Skewed drives corrected to make perpendicular



Proposed Improvements – Project Walk-Through (continued):
 The two lane open section highway continues east towards Adair.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Improve intersection with County Road NS-433



Proposed Improvements – Project Walk-Through (continued):

The two lane open section highway continues east towards Adair.

The intersection with County Road NS-433 will be improved.

Proposed Improvements

Project Walk-Through

- Two lane open section highway continues east towards Adair, OK
- Extend Bridge D to create 44-ft wide clear roadway width RCB
- Skewed drives corrected to make perpendicular



Proposed Improvements – Project Walk-Through (continued):

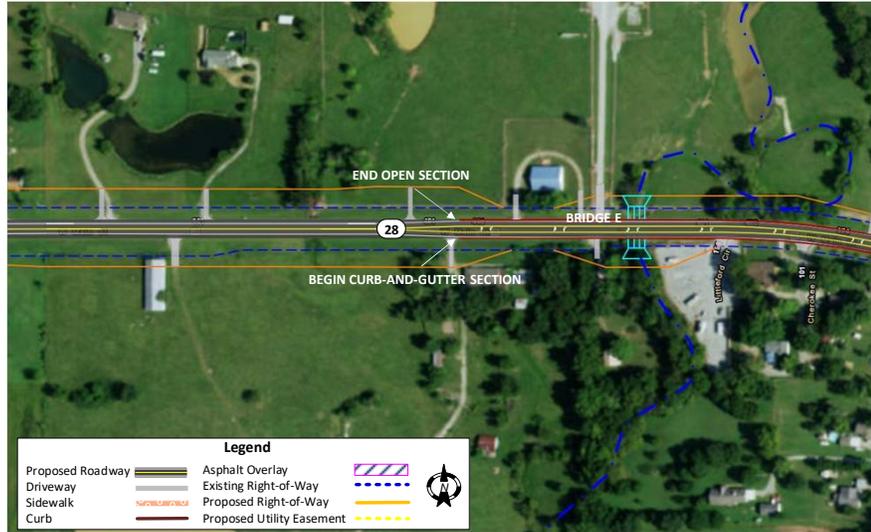
The two lane open section highway continues east towards Adair.

Bridge D over Osage Creek will be extended to create a 44-foot wide reinforced concrete box bridge.

Proposed Improvements

Project Walk-Through

- Two lane open section highway ends just before Bridge E
- Transitions to two lane curb & gutter section east towards Adair
- Replace Bridge E to create 42-ft wide clear roadway width RCB
- Skewed drives corrected to make perpendicular



Proposed Improvements – Project Walk-Through (continued):

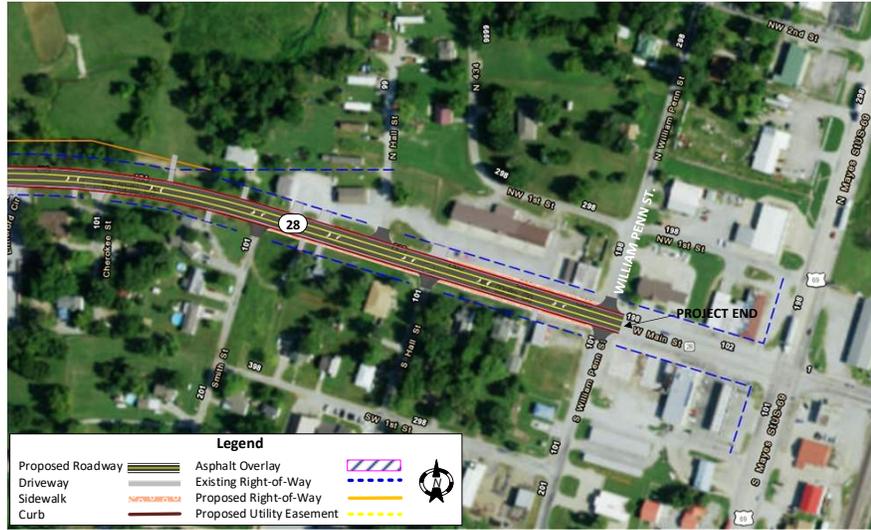
The two lane open section highway transitions to a two lane curb and gutter section just west of Bridge E.

Bridge E will be replaced with a 42-foot wide reinforced concrete box bridge.

Proposed Improvements

Project Walk-Through

- Two lane curb & gutter section continues east towards Adair, OK
- Skewed drives corrected to make perpendicular
- Project ends at William Penn Street in Adair



Proposed Improvements – Project Walk-Through (continued):

The two lane curb and gutter section continues east into Adair and ends at William Penn Street.

Access to all businesses and homes will be maintained during and after construction.

Environmental Compliance

Detailed Environmental Studies & Assessments

- **ODOT Completed Studies & Assessments of:**
 - Threatened & Endangered Species
 - Waters & Wetlands Reviews
 - Cultural Resources Studies
 - Historic & Archaeological
 - Floodplains
 - Hazardous Materials Assessment
- Commitments to avoid and/or minimize impacts to the environment will be included in the project in accordance with NEPA .



Environmental Compliance:

As part of ODOT's commitment to protecting the environment, detailed environmental studies and assessments are being completed along the proposed alignment. These studies are being done in compliance with the requirements of the National Environmental Policy Act (NEPA) of 1970. Ultimately, an environmental document will be generated that will include this information.

Studies and assessments of threatened and endangered species, waters and wetlands, cultural resources, floodplains, and hazardous materials were completed. ODOT is currently consulting with the appropriate state and federal agencies and Tribes for compliance approval.

As a result of these studies, additional commitments to avoid and/or minimize impacts to the environment will be added to the project design plans and environmental document.

The Federal Highway Administration must approve the environmental document before the project can proceed.

Environmental Compliance

Studies & Assessments Results

- **Threatened, Endangered, & Listed Species**
 - There are several federally protected species within the general project area—including birds, bats, insects and a fish.
 - Measures to avoid or minimize impacts to protected species will be added to the project plans.
- **Waters & Wetlands**
 - Impacts to waters & wetlands will be coordinated with the US Army Corps of Engineers.
 - A Clean Water Act Section 404 permit will be obtained for the project impacts.



See the “Environmental Studies” section of the Virtual Open House website for more details.

Environmental Studies & Assessment Results:

The detailed studies and assessments resulted in the finding of federally protected species within the area. Threatened and endangered species, such as birds, bats, fish, and insects, use the habitat adjoining and in the vicinity of the highway. Measures to avoid or minimize impacts to protected wildlife species will be added to the project plans. More detail on the environmental studies can be found on the “Environmental Studies” section of this website.

Also, the bridge work could impact several streams and creeks which are regulated by the US Army Corps of Engineers. Impacts to waters and wetlands will be coordinated with the U.S. Army Corps of Engineers, and ODOT will obtain a Clean Water Act Section 404 permit for the project.

Environmental Compliance

Studies & Assessments Results

- **Cultural Resources**

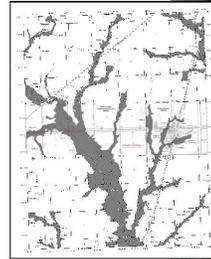
- This project will have no effect on historic properties
- There are potentially significant archeological resources within the general vicinity of the project.
 - Environmental Mitigation Notes will be included in the project plans to avoid areas of concern

- **Floodplain**

- Portions of the project are located in special flood hazard areas (Zone A).
- Appropriate measures will be taken to avoid adverse flood impacts.

- **Hazardous Waste Sites**

- Oilfield & filling stations are associated with study area.
- Potential impacts are being evaluated.



See the "Environmental Studies" section of the Virtual Open House website for more details.

Environmental Studies & Assessment Results (continued):

Cultural resources—including both historic and archaeological aspects—were evaluated. Field results indicate that there are pre-historic archeological sites within the new alignment. Environmental avoidance notes will be included in the project plans to protect these areas of concern.

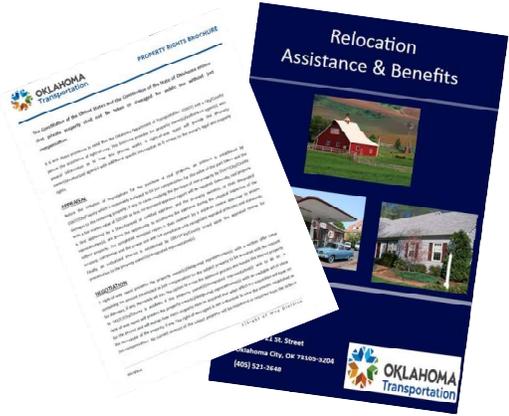
A portion of the project is located within a floodplain. Appropriate measures will be taken to avoid adverse flood impacts caused by this construction project.

There are several sites within the project footprint that have potentially hazardous materials associated with them. There are several active and inactive gas stations near the project, some with leaking underground fuel tanks. ODOT is currently assessing the potential impacts, but these sites are not considered to be high-risk. No adverse impacts are anticipated.

Right-of-Way Impacts

To Accommodate Highway Widening, Additional Right-of-Way will be Required

- **Right-of-Way Impacts**
 - 7 residential displacements are anticipated.
 - 3 commercial property relocations are anticipated.
 - 2 private property relocations are anticipated.
 - Additional frontage along SH-28 & side roads will be required.
- **Interact with ODOT**
 - For more information on property rights and impacts:
 - View your property on the “Interactive Map”
 - Property owners affected by the project will be contacted by ODOT representatives



See the “Right-of-Way” section of the Virtual Open House website for more details.

Right-of-Way Impacts:

Often, transportation projects require additional property to construct safe and efficient highways. Adverse effects to property owners are weighed heavily by ODOT. The designers looked at several alternatives to minimize impacts, and balanced that with the primary purpose of improving highway safety. Any properties impacted by the proposed right-of-way on this project may be eligible for compensation or relocation benefits. The eligibility of each property impacted will be determined through the right-of-way process. Property owners affected by the project will be contacted by ODOT representatives.



Construction

- Construction is anticipated to begin in Federal Fiscal Year (FFY) 2026.
- The project will be constructed in phases.
- During some phases, traffic will be shifted to a shoofly detour in order to maintain traffic flow.
- SH-28 will remain open.
- Access will be maintained to all residences & businesses.



Construction:

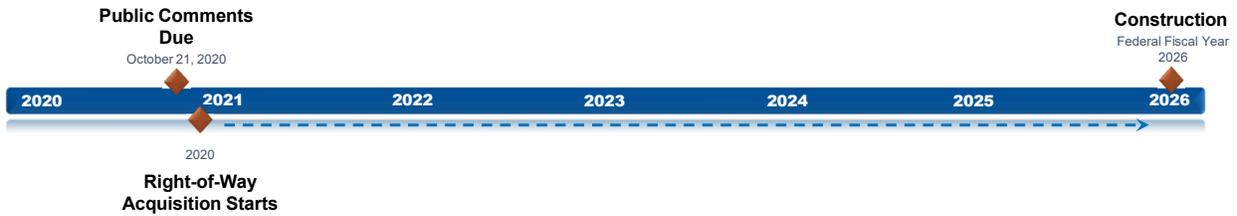
At this time, construction is anticipated to start in 2026. The actual start date is dependent on several factors, including the availability of funds, but right now the project appears to be on schedule.

During construction, some segments will be constructed in phases. Traffic may be shifted to a shoofly detour in order to maintain traffic flow.

SH-28 will remain open throughout the entire construction process to accommodate local, regional, and recreational travelers.

Access to all residences and businesses will be maintained throughout construction.

Next Steps/ Project Schedule



*Timeline represents the current anticipated schedule. Actual dates may be revised.

Next Step & Schedule:

This slide shows the next steps for the project. We ask that you submit your comments by **October 21st** so that we may incorporate your feedback and finalize the design plans. If your property is affected by the project, you can expect to hear from ODOT right-of-way agents beginning in late 2020 or 2021.

Currently, construction of the project is anticipated to begin in 2026.



Thank You!

Thank You for Participating in ODOT's Virtual Open House

- **Please visit other areas of the website for more information.**

- **Interactive Map** - view the design on an aerial photograph, zoom in & out, find your property, etc.
- **Right-of-Way Acquisition** - information for right-of-way acquisition & relocations
- **Environmental Studies** - more information about the studies and environmental commitments
- **Frequently Asked Questions** - for common questions and answers about the project
- **Submit a Comment** - submit your comments or questions on this page or send by email or US mail

The best way to leave a comment or ask a question is to submit a written comment at the "Submit a Comment" page, or via email environment@odot.org

For more information on this project call (405) 521-3050



Please go to www.odot.org/SH28MAYES for more information.

Thank you for participating! Please visit the other areas of this website for more information. This concludes the presentation portion of the Virtual Open House.